



Attorney's Docket No. 5051.631XX

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Gardner
Serial No. 10/820,632
Filed: April 8, 2004
For: GAMMA RAY DETECTORS HAVING IMPROVED SIGNAL-TO-NOISE RATIO
AND RELATED SYSTEMS AND METHODS FOR ANALYZING BULK
MATERIALS

Art Unit: 2884
Examiner: David S. Baker
Confirmation No.: 8467

Date: June 30, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §1.97(c)**

Sir:

Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the amendment by the U.S. Patent and Trademark Office to 37 C.F.R. § 1.98(a)(2)(ii) effective October 21, 2004.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(c), before final Office Action or Allowance, whichever is earlier.

In accordance with the requirements of 37 C.F.R. § 1.97(c)(1), the following Certification as specified in 37 C.F.R. § 1.97(e) is made:

In accordance with the requirements of 37 C.F.R. § 1.97(c)(2), a check for the \$180.00 fee specified in 37 C.F.R. § 1.17(p) is enclosed. This amount is believed to be correct. However, the Commissioner is authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

Respectfully submitted,

Laura M. Kelley
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07/06/2006 MBELETE1 00000011 10820632

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Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 30, 2006.

Carey Gregory

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

C1 of C1



Applicant:

Robin Pierce Gardner

Filing Date:
April 8, 2004

Group:
2878

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	2004/0256548	12/23/04	Gardner	250	266	
	2.	4,937,446	6/26/90	McKeon et al.	280	270	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

3.	Gardner et al., "A feasibility study of a coincidence counting approach for PGNAA applications," Applied Radiation and Isotopes 53 (2000) 515-526.
4.	Gardner et al., "Practical Implementation of Coincidence Prompt Gamma-Ray Neutron Activation Analysis," Transactions of the American Nuclear Society, Vol. 89, pp. 486-487, 2003.
5.	Metwally et al., "Elemental PGNAA analysis using gamma-gamma coincidence counting with the library least squares approach," Nuclear Instruments and Methods in Physics Research B 213 (2004) 394-399.
6.	Metwally et al., "Two-dimensional diagonal summing of coincidence spectra for bulk PGNAA applications," Nuclear Instruments and Methods in Physics Research A 525 (2004) 511-517.
7.	Gardner et al., "Q-value Summing for Coincidence Prompt Gamma-Ray Neutron Activation Analysis," Transactions of the American Nuclear Society, Vol. 91, pp 881-882, 2004.
8.	Gardner et al., "A new NaI detector arrangement for efficient detection of high energy gamma-rays," Journal of Radioanalytical and Nuclear Chemistry, Vol. 264, No. 1 (2005) 133-137.
9.	Metwally et al. "Coincidence counting for PGNAA applications: Is it the optimum method?" Journal of Radioanalytical and Nuclear Chemistry, Vol 265, No. 2 (2005) 309-314.

EXAMINER _____

DATE CONSIDERED _____

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form in the transmittal folder.

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